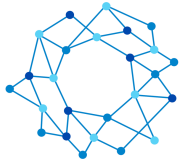


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**FINNISH
INDUSTRIAL
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FORUM**

FIIF Newsletter 7/2019

DIMECC



FIIF Event on "Data Business Models" (October 24, 2019)

FIIF organized this event in co-operation with **Combient** and **Taival Advisory**. We had a full house of participants from both Combient and FIIF companies. Event facilitator was Mr. **Michael Hanf**, Executive Partner at Taival Oy.

Ilkka Lakaniemi (Combient Oy) started with an overall presentation about Combient and its subsidiary, Combient MIX, which focuses on data, data science and analytics. Ilkka concluded his presentation with a quote from **Timo Seppälä** (ETLA and Aalto university): "*The external benefits, both strategic and operational, can only be achieved if the company is willing to share the data externally as well.*"

Seppo Tikkanen (DIMECC Oy) talked about DIMECC's recently launched research program INDEX (Industrial Data Excellence), which paves the way towards data economy in the Finnish industry by *building a common data space* and establishing an *industrial data community*. The morning session was completed with an insightful presentation by **Reko Lehti** (Taival Advisory Oy) who spoke about five steps to using data strategically: *ensuring motivation, identifying assets, establishing data blueprint, building capabilities, and, finally, launching and expanding data operations*. Reko used several examples, and I learned that my loyalty to Altia products is actually based on Altia's ability to analyze their data. 😊

After the break we heard first about value creation in the fair data economy (by **Markus Kalliola**, SITRA). Europe is today squeezed between multinational platform players from USA and Asia. However, when use of personal data (i.e. unregulated data, collected by individuals) continues to grow, advanced European concepts and solutions (like, GDPR, PSD2, and eIDAS) have an opportunity to become crucial component in building and maintaining trust in data economy. The last presentation focused on evolution of business models in the era of Industrial Internet (by **Karan Menon**, Tampere University). We need tools to analyze new hybrid business models, to assess their validity, and to configure the models to our company's specific needs. However, *nothing will work if the mindset does not change with the technological and business model evolution*.

At the end of the event we asked the participants to share their key reflections and learnings. Here are some samples of the insights:

- Europe is ahead of big cloud players from the U.S. **Now it's time to act!**
- **Focus on the ecosystem**, also outside current value chains. Deep dive into new business models – there are tools that work.
- At last it seems that there will be solutions for **use and sharing of massive data!**
- **Data and IoT are driven by companies and clusters** – not by countries and committees.

FIIF Manager Risto Lehtinen, DIMECC Oy



DIMECC's 12th Annual Seminar – “Digital Factory” (November 11, 2019)

This year we provided the FIIF members an opportunity to attend DIMECC's 12th Annual Seminar “Digital Factory”, which was organized in co-operation with Combient. Over 30 FIIF members used the opportunity.

The program contained presentations highlighting the importance of **data and digitalization**. Chief Digital Officer **Samuli Savo** from Stora Enso

explained how the company's digitalization process works – how initiatives are supported and scaled up with cases such as drones that are used for woodpile calculations. **Niko Korte**, Digital Business Development Director of SSAB gave insight on sharing data with companies such as HT Laser in the company's value chain.

The **DIMECC Prize 2019** was awarded by DIMECC CEO **Harri Kulmala** to **Kai Knuutila** (Digitalization Manager, Glaston Corp.) and Professor **Heikki Huttunen** (Tampere University). The award-winning collaboration between Glaston and the Tampere University was achieved in the DIMECC MIDAS project, which focuses on industrial artificial intelligence.

You can find more information about the award, Glaston's AI activities, and Tampere University's role in this co-operation [here](#).

Next FIIF event during Fall of 2019

If you prefer to participate in FIIF events online, please select that option when registering to the events. We will then send the participation link to you in e-mail before the event.

FIIF event on “AI/ML – Predictive maintenance” (November 28, 2019)

The next FIIF event will be arranged in co-operation with AI-Aamu in Tampere. Program:

- “End-to-end Algorithm Development for Predictive Maintenance” (Antti Löytynoja, Mathworks Finland)
- “Predictive Maintenance on Cross Industry Collaboration Network” (Anssi Collin, Combient Oy)
- “Combining Edge Computing and AI – for Industrial Maintenance” (Janne-Pekka Karttunen, Distence Oy)
- “Regatta Predictive Maintenance” (Miika Valtonen, Remion Oy)
- “Wireless Condition Monitoring for Massive Scale” (Joni Korppi, Treon Oy)
- “Effortless Data Analytics at the Edge” (Jarne Atsar, LempeaEdge Oy)
- “Future Trends in Predictive Maintenance” (Hannu Pahkala, Steamlane Oy)
- “OPENS – Analytics of Industrial Systems” (Krishna Mishra, Tampere University)

When	Thursday, November 28, 2019 at 9:00 ... 12:00
Where	Kampusareena (Korkeakoulunkatu 7, Tampere) + online.
Cost	Free for employees of FIIF partner organizations.
Contact	Program Manager Arto Peltomaa, DIMECC Oy (e-mail arto.peltomaa@dimecc.com , tel. +358 40 5511434) More information on the event web page .

Coming in Spring 2020:

FIIF event w/ KOTEL on “**Reliability & Testing**” (Spring, exact date TBD)

This FIIF event will be organized in co-operation with KOTEL r.y. (www.kotel.fi), a Finnish association focusing on reliability and testing of components and electro-mechanical systems. KOTEL has working groups consisting of technical experts from its member organizations covering topics like reliability, heat management, environmental compliance, and environmental testing. KOTEL organizes regularly seminars, where the working groups present results of their activities.

Separate invitations to FIIF events will be sent to the official FIIF contact persons, so please make sure your company's contacts in the FIIF mailing list are up to date!

AI Meetup in Helsinki, hosted by Top Data Science (November 28, 2019)

TDS has always had the privilege to work with leading companies in different sectors solving their business challenges with AI. For this AI Meetup, we have gathered an excellent selection of top AI experts from various industries to give their views on latest developments on AI scene.

Our speakers include **Mathias Gruber** (Lead Data Scientist, **Leo Pharma**, DK), **Jukka-Pekka Salmenkaita** (AI&ML Director, Elisa) and **Ville Patola** (Data Analytics Lead, Glaston). Surely an interesting afternoon coming!

Contact for further information and registration:

Vesa Jaakkola, Sales Director, Top Data Science Oy

Email: vesa.jaakkola@topdatascience.com

Tel: +358 40 522 2274

Digital Policy Round Table: The Future of Cross-Border e-Services in the Baltic Sea Region (December 10, 2019)

DIMECC is taking part in a Baltic DIGINNO project, which organizes a Digital Policy Round Table 'The Future of Cross-Border e-Services in the Baltic Sea Region' in Helsinki.

When	Tuesday, December 10, 2019 at 10:00 – 16:00
Where	Balder's Hall (Balderin sali, Aleksanterinkatu 12, Helsinki)
Cost	Free for employees of FIIF partner organizations Registration at latest on December 2, 2019 here
Contact	Contact for registration: Ms. Kaisa Kaukovirta , email: kaisa.kaukovirta@dimecc.com Further information: Prof. Reijo Tuokko , email: reijo.tuokko@dimecc.com , tel. +358 45 248 1167

Key topics to be addressed in this round table include:

- What are the future needs for cross-border e-services?
- What are the obstacles and challenges which need to be solved and which of these should be addressed by policies and legislation?
- How the BSR (Baltic Sea Region) could become a frontrunner in cross-border e-services and enhance this position, and what are the most potential areas of services?
- What are the policy gaps and the gaps between BSR countries?

The Digital Policy Round Table exchanges and discusses **ideas and policy recommendations** for creating well-functioning digital G2B (Government-to-Business) and B2G (Business-to-Government) services and improving their cross-border usability and interoperability. There is also discussion about how policy learnings from the DIGINNO project could inspire national and BSR strategies and initiatives. The Round Table is targeted at national policymakers working with digital infrastructure development at strategic level (BSR countries), business representatives and DIGINNO partners.

If you are interested in joining the Round Table, please [register](#) at the latest on December 2, 2019. The Round Table is organized by Aalborg University (Denmark), INFOBALT (Lithuania), The Ministry of Finance (Finland) and DIMECC Oy (Finland), and supported by the Ministry of Economic Affairs and Communications (Estonia), Ministry of Environmental Protection and Regional Development (Latvia) and Ministry of the Economy & Innovation (Lithuania).



FIIF offers to its partners an opportunity to introduce themselves in FIIF New sletters and on FIIF's web pages. Just fill in the requested information on the [online form](#).

FIIF Networking Opportunity: Production Software Finland Oy

Business type: Information Technology

Organization size: Micro

The core business: We provide industrial companies with Manufacturing Execution Systems and related software solutions.

Networking opportunities: We are looking for cooperation with machine manufacturers and the vendors of various specialized software, for example, industrial automation systems, XR, AI, etc. For manufacturing companies we offer software for improving the productivity and efficiency of the production system.

Additional comments: Contact us and let's talk about the technology challenges your company is facing today!

Website: www.productionsoftware.fi

Contact person: Jari Kukkonen, jari.kukkonen@productionsoftware.fi, +358405811333

AI-heräämö event at TAMK (December 10, 2019)

The Council of Tampere Region (Pirkanmaan liitto) and DIMECC have established a **local AI accelerator** ("AI-heräämö") that aims at de-mystifying AI. AI-heräämö offers AI-related training and information to companies as well as support for their AI and Machine Learning projects. AI-heräämö focuses on **supplier and service SMEs** as increasing their expertise in this area will help a larger number of companies.

SMEs can also apply for funding for their pilots from Pirkanmaa's Centre for Economic Development, Transport and the Environment (i.e. ELY-keskus).

The next AI-heräämö event will take place on **December 10, 2019** at 9:00-12:00 at TAMK (Tampere University of Applied Sciences, Kuntokatu 3, Tampere). Registration to this event is via [this link](#) (registration deadline is December 5, 2019).

Please note that the registration link contains also registration opportunity to the **official opening of TAMK's new Industry 4.0 laboratory** (at 13:00-16:00, same location). Both events are **free of charge**.

Contact: Dr. **Arto Peltomaa**, Program Manager, DIMECC Oy
(email: arto.peltomaa@dimecc.com, tel. +358 40 5511434)



DIMECC InDEx program has started with 11 companies

The Industrial Data Excellence (InDEx) program is the first program initiative under DIMECC's [Intelligent Industry ecosystem](#). The vision of the InDEx program is to **unlock the value of data as an enabler for the next industrial revolution** centered around artificial intelligence in the Finnish manufacturing industry.

Unlocking the value of data is much more than one enterprise making better use of their existing data. It requires that the entire ecosystem will operate all through the intelligent use and sharing of data. InDEx program will take this unique perspective and opportunity focusing on data sharing in manufacturing networks between multiple partners.

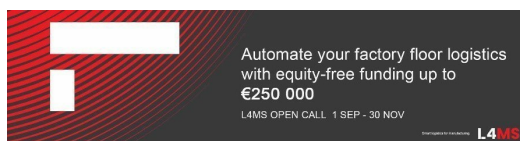
The mission of the InDEx program is to **develop and pilot a common data space** in manufacturing value ecosystems by defining tested and verified rules and practicalities for scalable data sharing. InDEx program targets the following specific objectives:

1. Develop novel **connectivity solutions and technologies** for collecting and delivering data
2. Develop **advanced data analytics, machine learning and artificial intelligence solutions** for data processing and decision making
3. Create **ecosystem business models**
4. Create **Industrial Data Community**, integrating the findings of the above development objectives to form a basis for scalable, secure and trusted common data space and architecture for the intelligent share and use of data.
5. Establish **InDEx partnership network** to drive common standards for data sharing internationally

The program work will be driven by two industry led application domains: **smart chain** and **smart factory**. The application domains form the full chain of operations for smart manufacturing, full digitalized industrial practices with connectivity in the entire value chain between smart equipment, facilities, products and processes.

If your company is interested in cooperating with the InDEx program or in joining it, please contact: **Dr. Seppo Tikkanen** at DIMECC Oy (email: seppo.tikkanen@dimecc.com, tel. +358 40 840 2780).

Call for Action: Funding opportunity for manufacturing SMEs and Mid-Caps (L4MS)



Logistics for Manufacturing SMEs (L4MS) in a pan-European acceleration program that aims to help manufacturing SMEs to adapt new technologies in factory logistics. You have still time to file your application for equity-free funding for creative pilot experiments in logistics, the **deadline is November 30, 2019**.

What	The second open funding call of the L4MS acceleration program.
When	September 1 ... November 30, 2019.
Eligible applicants	Manufacturing SMEs and Mid-Caps looking to develop their intralogistics and productivity through creative pilot experiments.
Funding opportunity	Up to 250 k€ per team, max 10 teams. In total 1.5 M€ equity-free funding
Contacts	Ali Muhammad , L4MS Project Coordinator (email: ali.muhammad@vt.fi) Open Call Funding or OPIL: helpdesk@l4ms.eu The nearest L4MS representative :

Brief comments from FIIF Manager

The next FIIF Newsletter will be published in December, and it will contain information, for example, about next spring's FIIF events. If you have other topics which you would like to bring to the attention of all FIIF members, please contact the FIIF Manager.

FIIF Manager also maintains the **FIIF mailing list**, which is used to distribute information to contact persons – including but not limited to the FIIF Newsletter and invitations to specific FIIF events. Please contact the FIIF Manager regarding any changes to the FIIF mailing list.



Risto Lehtinen

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